

# HISTORIC PROPERTY INVENTORY FORM

## IDENTIFICATION SECTION

Field Site No. 436 OAHP No. \_\_\_\_\_ Date Recorded 30 Sept 1995  
Site Name Historic 400 Area Training Facility Revised 6 June 1997  
Common \_\_\_\_\_  
Field Recorder T.A. Dillhoff; M.S. Gerber  
Owner's Name U.S. Department of Energy, Richland Operations Office  
Address P.O. Box 550  
City/State/Zip Code Richland, WA 99352

### Status

☒ Survey/Inventory  
☐ National Register  
☐ State Register  
☐ Determined Eligible  
☐ Determined Not Eligible  
☐ Other (HABS, HAER, NHL)  
☐ Local Designation

### Photography

HCRL  
Photography Neg. No. Roll 276, frames 27-30  
(Roll No. & Frame No.)  
View of E, W, and S exterior facades  
Date 5 June 1997

Photo at right: Roll 276, frame 29  
View of west and south facades

### Classification

District ☐ District ☐ Site ☐ Building ☒ Structure ☐ Object  
District Status ☒ NR ☐ SR ☐ LR ☐ INV  
Contributing ☒ Non-Contributing ☐  
District/Thematic Nomination Name Hanford Site Manhattan Project and Cold War Era Historic District

## Description Section

### Materials & Features/Structural Types

Building Type Industry  
Plan Rectangular  
Structural System Concrete Block  
No. of Stories Two

### Roof Type

☐ Gable ☐ Hip  
☒ Flat ☐ Pyramidal  
☐ Monitor ☐ Other (specify) \_\_\_\_\_  
☐ Gambrel  
☐ Shed

### Cladding (Exterior Wall Surfaces)

☐ Log  
☐ Horizontal Wood Siding  
Rustic/Drop ☐  
Clapboard ☐  
☐ Wood Shingle  
☐ Board and Batten  
☐ Vertical Board  
☐ Asbestos/Asphalt  
☐ Brick  
☐ Stone  
☐ Stucco  
☐ Terra Cotta  
☐ Concrete/Concrete Block  
☐ Vinyl/Aluminum Siding  
☐ Metal (specify) \_\_\_\_\_  
☒ Other (specify) Dryvit cladding

### Roof Material

☐ Wood Shingle  
☐ Wood Shake  
☐ Composition  
☐ Slate  
☒ Tar/Built-up  
☐ Tile  
☐ Metal (specify) \_\_\_\_\_  
☐ Other (specify) \_\_\_\_\_  
☐ Not visible

### Foundation

☐ Log ☐ Concrete  
☐ Post & Pier ☐ Block  
☐ Stone ☒ Poured  
☐ Brick ☐ Other (specify) \_\_\_\_\_  
☐ Not visible

### Integrity

(Include detailed description in  
Description of Physical Appearance)

	Intact	Slight	Moderate	Extensive
Changes to plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Changes to windows	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changes to original cladding	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Changes to interior	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

State of Washington, Department of Community Development  
Office of Archaeology and Historic Preservation  
111 21st Avenue Southwest, Post Office Box 48343  
Olympia, Washington 98504-8343 (206)753-4011

## LOCATION SECTION

Address Building 436, 400 Area  
City/Town/County/Zip Code Richland/Benton County/99352  
Twp 11 N Range 28 E Section 18 1/4 Section SW 1/4 1/4 Sec SE  
Tax No./Parcel No. \_\_\_\_\_ Acreage \_\_\_\_\_  
Quadrangle or map name Wooded Island, Washington Quad. - 7.5 min. series 1986  
UTM References Zone 11 Easting \_\_\_\_\_ Northing \_\_\_\_\_  
Plat/Block/Lot \_\_\_\_\_  
Supplemental Map(s) \_\_\_\_\_



### High Styles/Forms (Check one or more of the following)

<input type="checkbox"/> Greek Revival	<input type="checkbox"/> Spanish Colonial Revival/Mediterranean
<input type="checkbox"/> Gothic Revival	<input type="checkbox"/> Tudor Revival
<input type="checkbox"/> Italianate	<input type="checkbox"/> Craftsman/Arts & Crafts
<input type="checkbox"/> Second Empire	<input type="checkbox"/> Bungalow
<input type="checkbox"/> Romanesque Revival	<input type="checkbox"/> Prairie Style
<input type="checkbox"/> Stick Style	<input type="checkbox"/> Art Deco/Art Moderne
<input type="checkbox"/> Queen Anne	<input type="checkbox"/> Rustic Style
<input type="checkbox"/> Shingle Style	<input type="checkbox"/> International Style
<input type="checkbox"/> Colonial Revival	<input type="checkbox"/> Northwest Style
<input type="checkbox"/> Beaux Arts/Neoclassical	<input type="checkbox"/> Commercial Vernacular
<input type="checkbox"/> Chicago/Commercial Style	<input type="checkbox"/> Residential Vernacular (see below)
<input type="checkbox"/> American Foursquare	<input checked="" type="checkbox"/> Other (specify)
<input type="checkbox"/> Mission Revival	<u>Industrial Vernacular</u>

### Vernacular House Types

<input type="checkbox"/> Gable Front	<input type="checkbox"/> Cross Gable
<input type="checkbox"/> Gable Front and Wing	<input type="checkbox"/> Pyramidal/Hipped
<input type="checkbox"/> Side Gable	<input type="checkbox"/> Other (specify) _____

## NARRATIVE SECTION

### Study Unit Themes (check one or more of the following)

☐ Agriculture  
☐ Architecture/Landscape Architecture  
☐ Arts  
☐ Commerce  
☐ Communications  
☐ Community Planning/Development

☐ Conservation  
☐ Education  
☐ Entertainment/Recreation  
☐ Ethnic Heritage (specify) \_\_\_\_\_  
☐ Health/Medicine  
☐ Manufacturing/Industry  
☐ Military

☐ Politics/Government/Law  
☐ Religion  
☐ Science & Engineering  
☐ Social Movements/Organizations  
☐ Transportation  
☒ Other (specify) Cold War Era  
☒ **Study Unit Sub-Theme(s)** Reactor Operations/Operations Support

### Statement of Significance

Date of Construction 1973 Architect/Engineer/Builder Hanford Engineering Development Laboratory

☒ In the opinion of the surveyor, this property appears to meet the criteria of the National Register of Historic Places.

☒ In the opinion of the surveyor, this property is located in a potential historic district (National and/or local).

The 436 Building was built in 1973 to support construction of the Fast Flux Test Facility. This building was used for several purposes during the Fast Flux Test Facility construction period, including use as an equipment staging area for the Fast Flux Test Facility sodium piping trace heat components and as a maintenance shop for the instrument technicians. Building 436 was also used as a mockup of the Fast Flux Test Facility reactor head compartment and center island area to determine how to place components and piping runs during the reactor installation. A 1981 addition was built to house the Fast Flux Test Facility control room simulator and associated computer hardware for the training of Fast Flux Test Facility control room operations. Other training classes held in this building included Radiation Worker Safety Training, first aid, emergency response team training, and various other crew training sessions. Currently, the building continues to house training-related activities for 400 Area personnel. Throughout its operational period, Building 436 played an important role as a training facility in the development and support of the nationally significant Fast Flux Test Facility. It is therefore the conclusion of the U.S. Department of Energy that Building 436 is eligible for inclusion in the National Register of Historic Places under Criterion A as a contributing property within the Hanford Site Manhattan Project and Cold War Era Historic District.

### Description of Physical Appearance

The 436 Building in its original condition was a rectangular, two-story structure with outside dimensions of 38 feet by 62 feet. It was made of concrete block walls with a total of approximately 2,208 square feet of floor space. In 1981, a 38 feet by 66 feet computer room was added to the original building. This addition was one story and added 1,611 square feet of area of the building for a total of 3,819 square feet. When the building was expanded, the exterior of the addition and the original structure were clad with Dryvit (a trademark product of Dryvit Systems, Inc.) laminar earthstone finish over rigid polystyrene insulation. The interior contains office space, classrooms, an instructor room, a computer room, and an operator training simulator room.

### Major Bibliographical References

Drawings H-4-64763 and H-4-150002.

Smart, R.J.; S.W. Mobley; and J.E. Duda (Westinghouse Hanford Company personnel). Personal interview.

Westinghouse Hanford Company. 1988. *400 Area Facilities Catalog*. WHC-IP-0269. Richland, Washington.